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Docket No. 47092.00031 SQUIRE, SANDERS & DEMPSEY L.L.P. Declaration For U.S. Patent Application below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below my name. believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural ames are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled (Insert Title) Radio Resource Management with Adaptive Congestion Control the specification of which is attached hereto unless the following box is checked: was filed on As PCT International Application Number and was amended on And/or was filed on June 25, 2003 As United States Application 10/603,079 and was amended on I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. >1.56. I hereby claim foreign priority benefits under 35 U.S.C. \$119(a)-(d) or \$365(b) of any foreign application(s) for patent or inventor's certificate, or \$365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International Application having a filing date before that of the application(s) for which priority is claimed: **Priority Claimed** ☐ Yes ☐ No (List prior (Day/Month/Year Filed) foreign Yes No applications) (Country) (Day/Month/Year Filed) ☐ Yes ☐ No (Day/Month/Year Filed) I hereby claim the benefit under 35 U.S.C. >119(e) of any United States provisional application(s) listed below. 60/448,097 February 20, 2003 (Application Number) (Filing Desc) See attached list for additional prior foreign or provisional applications.

I hereby claim the benefit under 35 U.S.C. >120 of any United States application(s) or >365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) (U.S. or PCT) in the manner provided by the first paragraph of 35, U.S.C. >112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. >1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(List prior U.S. Applications or PCT International (Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned) applications designating the U.S.) (Filing Date)

And I hereby appoint the firm of Squire, Sanders & Dempsey, Customer Number 32294 including as principal attorneys: Douglas H. Goldhush, Reg. No. 33,125; Kevin F. Turner, Reg. No. 43,437; Dinnatia J. Doster, Reg. No. 45,268; Marc A. Sockol, Reg. No. 40,823; Vidya R. Bhakar, Reg. No. 42,323; Daryl C. Josephson, Reg. No. 37,365; Cameron Kerrigan, Reg. No. 44,826; David B. Abel, Reg. No. 32,394; Nathan Lane, Reg. No. 43,738; Lorinda Howland, Reg. No. 42,671; Michael Lechter, Reg. No. 27,350; David R. Rogers, Reg. No. 38,287; William Bachand, Reg. No. 34,980; Aaron Wininger, Reg. No. 45,229; Paul A. Durdik, Reg. No. 37,819; Paul J. M eyer 47,791; David A. Levine, Reg. No. 48,821; Victor Repkin, Reg. No. 45,039; and Victoria L. Nicholson, Reg. No. 47,823.

Please direct all communications to the following address:

Customer No. 32294 SQUIRE, SANDERS & DEMPSEY L.L.P. 8000 Towers Crescent Drive, 14th Floor Tysons Corner, Virginia 22182-2700 Telephone No. (703) 720-7800; Facsimile No. (703) 720-7802

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be take in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

Full name of sole or first inventor Klas JOHANSSON	
Inventor's signature Mis blann	2003-12-05
Residence Sundbyberg, Sweden	Date
Citizenship Sweden	
Post Office Address Duvkullavägen 42 b 2tr, 17237 Sundbyberg, Sweden	
Full name of second inventor Christian BRAUN	
Inventor's signature	
Residence Stockholm, Sweden	Date
Citizenship Germany	
Post Office Address Lokstallsgatan 6, 3 tr, 11321 Stockholm, Sweden	:
	<u> </u>
Full name of third inventor Martin KRISTENSSON	
	
Inventor's signature	
Residence Helsinki, Finland	Date
Citizenship Sweden ,	
Post Office Address Pohjois Hesperiankatu 37 C 65, 00260 Helsinki, Finland	
Full name of fourth inventor	
Inventor's signature	
Residence Espoo, Finland	Date
Citizenship Italy	·
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	· · · · · · · · · · · · · · · · · · ·
Full name of fifth inventor Pekka Tapani KOHONEN	
Inventor's signature	
Residence Espoo, Finland	Date
Citizenship Finland	· · · · · · · · · · · · · · · · · · ·
Post Office Address Kaksoiskiventie 49 C 24, 02760 Espoo, Finland	
Full name of sixth inventor Albert HÖGLUND	
Inventor's signature	
Residence Helsinki, Finland	Date
Citizenship Finland	·
Post Office Address Riihitie 6 A 11, 00330 Helsinki, Finland	
Tomado o A 11, 00000 ricibilki, finiand	
Full name of seventh inventor Benoist GUILLARD	
inventor's signature	
	Date
Residence Paris, France Citizenship France	
·	
Post Office Address 4, cité de Magenta, 75010 Paris, France	

RADEMAR

Declaration For U.S. Patent Application

	D	Ciai ati	OH TOL (J.B. I at	ені Ар	рисано	11	
As a below n	amed inventor, I	hereby declare	that:					
Myresidence	e, post office add	ress and citizen	ship are as stated	l below my nam	e. ·			
I Selieve I ar	n the original, fi	rst and sole in subject matter	ventor (if only o	ne name is liste	d below) or an	original, first	and joint in tion entitle	ventor (if plural d
the specificat	ion of which is a	ttached hereto	unless the follow	ing box is check	ed:			· · · · · · · · · · · · · · · · · · ·
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	unber		and wa	s amended on	_ As PCT Inte	rnational Appli	cation	
		ne 25, 2003	ald wa	s amended on	As United St	ates Applicatio		
	ımber 10/603		and wa	s amended on	_ AS Office Si	ates Applicatio	п	_
I her e by stat amended by a	e that I have re	viewed and useferred to above	nderstand the co	ntents of the a	bove-identified	specification,	including	the claim(s), as
I acknowledg	e the duty to disc	lose informatio	on which is mater	rial to patentabil	ity as defined i	n 37 C.F.R. э1.	56.	
I hereby clair certificate, or	m foreign priorit	y benefits unde	er 35 U.S.C. 311	9(a)-(d) or 3365	(b) of any fore	ign application	(s) for pate	
							Priority C	
(List prior	(Number)		(Country)	(Day/Ms	outh/Year Filed)		☐ Yes	☐ No
foreign applications)							☐ Yes	□No
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List prior U.S.			·					
CT International pplications lesignating the U.	(Application S	Serial No.)		(Filing Date)	· .	(Status) (patented, pendi	ng, abundoned)	
esignating the U.	.S.) ———————————————————————————————————	Serial No.)		(Filing Date)		(Status) (patented, pendi	ng, abandonod)	
And I hereby Goldhush, Re 10,823; Vidya	appoint the firm g. No. 33,125; I R. Bhakar, Re	of Squire, San Kevin F. Turn z. No. 42,323:	ders & Dempsey, er, Reg. No. 43, Daryl C. Joseph	Customer Nun 437; Dinnatia J	nber 32294 inc. Doster, Reg.	· · · · · · · · · · · · · · · · · · ·		ys: Douglas H. ckol, Reg. No.

And I hereby appoint the firm of Squire, Sanders & Dempsey, Customer Number 32294 including as principal attorneys: Douglas H. Goldhush, Reg. No. 33,125; Kevin F. Turner, Reg. No. 43,437; Dinnatia J. Doster, Reg. No. 45,268; Marc A. Sockol, Reg. No. 40,823; Vidya R. Bhakar, Reg. No. 42,323; Daryl C. Josephson, Reg. No. 37,365; Cameron Kerrigan, Reg. No. 44,826; David B. Abel, Reg. No. 32,394; Nathan Lane, Reg. No. 43,738; Lorinda Howland, Reg. No. 42,671; Michael Lechter, Reg. No. 27,350; David Rogers, Reg. No. 38,287; William Bachand, Reg. No. 34,980; Aaron Wininger, Reg. No. 45,229; Paul A. Durdik, Reg. No. 37,819; Paul J. Meyer 47,791; David A. Levine, Reg. No. 48,821; Victor Repkin, Reg. No. 45,039; and Victoria L. Nicholson, Reg. No. 47,823.

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rull name of s	ole or first inventor Klas JOHANSSON	
Inventor's sign	nature	
Residence	Sundbyberg, Sweden	· Date
Citizenship	Sweden	
Post Office Ad	dress Duvkullavägen 42 b 2tr, 17237 Sundbyberg, Sweden	
÷		
Full name of se	econd inventor Christian BRAUN	
Inventor's sign		5/12-03
_		Date
Residence	Malmö, Sweden	
Citizenship	Germany	
rost Office Ad	dress Föreningsgatan 70, 21214 Malmö, Sweden	
Full name of th	ird inventor Martin KRISTENSSON	·
Inventor's sign	ature	
Residence	Helsinki, Finland	Date
Citizenship	Sweden	
Post Office Ad	dress Pohjois Hesperiankatu 37 C 65, 00260 Helsinki, Finland	
•		
Full name of fo	urth inventorDavid SOLDANI	
Inventor's sign		
Residence		Date
Citizenship	Espoo, Finland Italy	
Post Office Ad		
- 000 011100 710	Radianiskonkuja z A 13, 02030 Espoo, Filland	
Full name of fit	th inventor Debler Tanani KONOMINI	
Inventor's sign	ature	
Residence	Espoo, Finland	Date
Citizenship	Finland	
Post Office Add	lress Kaksoiskiventie 49 C 24, 02760 Espoo, Finland	
Full name of six	th inventor Albert HÖGLUND	·
inventor's signa	uture	
Residence	Helsinki, Finland	Date
Citizenship	Finland	
Post Office Add		
	The state of the s	
Full name of se	venth inventor Benoist GUILLARD	,
nventor's signa	nure	D-4-
Residence	Paris, France	Date
-	France V	
Post Office Add	ress 4, cité de Magenta, 75010 Paris, France	

Docket No. 47092.00031

SQUIRE, SANDERS & DEMPSEY L.L.P.

Declaration For U.S. Patent Application

As a below	named in	iventor, I hereby dec	lare that:		•				
My residen	ice, post o	ffice address and cit	izenship are as st	ated below my na	me.		•		
u believe I	believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural hames are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled								
(Insert Tit	(Insert Title) Radio Resource Management with Adaptive Congestion Control								
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uie specific	ation of A	villen is attached her	eto uniess the ioi	lowing box is che	cked:		•		
	was filed	on			As PCT Internat	tional Application			
-	Number was filed	on June 25, 2003	and	was amended on	As United States	s Application			
	Number	10/603,079	and	was amended on	713 Office States	3 Application			
I hereby st amended by	tate that I	I have reviewed and indment referred to a	d understand the	contents of the	above-identified sp	ecification, include	ling the claim(s), as		
I acknowled	dge the di	ity to disclose inforn	nation which is m	aterial to patental	oility as defined in 3	7 C.F.R. ∍1.56.			
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certificate, below and having a fili	or ∋365(a have also ing date b) of any PCT Intern identified below a efore that of the app	ational application ny foreign application lication(s) for wh	on which designat cation for patent lich priority is cla	ed at least one coun or inventor's certific med:	try other than the cate or PCT Inter	patent or inventor's United States, listed national Application		
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I hereby cla	im the be	nefit under 35 U.S.C	. ∋120 of any Un	ited States applic	ation(s) or >365(c) o	of any PCT Interna	tional application(s) is application is not		
disclosed in	the prior	application(s) (U.S.	or PCT) in the m	, insofar as the su anner provided by	bject matter of each the first paragraph	of the claims of the of 35, U.S.C. ⇒11.	nis application is not 2. I acknowledge the		
duty to disci	lose infor prior appli	mation which is mat cation and the nation	erial to patentabil nal or PCT Intern	lity as defined in lational filing date	37 C.F.R. 31.56 which	ch became availab	2, I acknowledge the le between the filing		
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Applications or PCT Internation applications	nai	(Application Serial No.)		(Filing Date)	(Sta	(Status) (patented, pending, abandoned)			
designating the	U.S.)	(Application Serial No.)		(Filing Date)	·	·			
And I hereb	v annoint	the firm of Squire	Sanders & Demn			stus) (patented, pending, abandon			
And I hereby appoint the firm of Squire, Sanders & Dempsey, Customer Number 32294 including as principal attorneys: Douglas H. Goldhush, Reg. No. 33,125; Kevin F. Turner, Reg. No. 43,437; Dinnatia J. Doster, Reg. No. 45,268; Marc A. Sockol, Reg. No. 40,823; Vidya R. Bhakar, Reg. No. 42,323; Daryl C. Josephson, Reg. No. 37,365; Cameron Kerrigan, Reg. No. 44,826; David B. Abel, Reg. No. 32,394; Nathan Lane, Reg. No. 43,738; Lorinda Howland, Reg. No. 42,671; Michael Lechter, Reg. No. 27,350; David Rogers, Reg. No. 38,287; William Bachand, Reg. No. 34,980; Aaron Wininger, Reg. No. 45,229; Paul A. Durdik, Reg. No. 37,819; Paul J. Meyer 47,791; David A. Levine, Reg. No. 48,821; Victor Repkin, Reg. No. 45,039; and Victoria L. Nicholson, Reg. No. 47,823.									
Please direct	t all comr	nunications to the fo	llowing address:						
				Customer No. SQUIRE, SAN 8000 Towers (Tysons Coner Telephone No.	32294 IDERS & DEMPSE Crescent Drive, 14 th 1 , Virginia 22182-2' (703) 720-7800; Fa	Y L.L.P. Floor 700	720 7802		
				resolutione 140	(193) 120-1000; Fa		120-1802		

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be take in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

Full name of sole or first inventor Klas JOHANSSON	•
Inventor's signature	
Residence Sundbyberg, Sweden	Date
Citizenship Sweden	
Post Office Address Duvkullavägen 42 b 2tr, 17237 Sundbyberg, Sweden	
	
Full name of second inventor Christian BRAUN	
Inventor's signature	
	Date
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Post Office Address Lokstallsgatan 6, 3 tr, 11321 Stockholm, Sweden	
Lokstansgalan 6, 5 tr, 11321 Stockholm, Sweden	
Full some of third issues as a No. 4: WDIGTTNIGGON	
Full name of third inventor Martin KRISTENSSON	
Inventor's signature	17 DEC 2003
Residence Helsinki, Finland	1)ale
Citizenship Sweden	
Post Office Address Pohjois Hesperiankatu 37 C 65, 00260 Helsinki, Finland	
Full name of fourth inventor David SOLDANI	
Inventor's signature	09 DEC 2003
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Full name of fifth inventor Pekka Tapani KOHONEN	
Inventor's signature	10 DE(9007
	Date Date
Residence Espoo, Finland	
Citizenship Finland	•
Post Office Address Kaksoiskiventie 49 C 24, 02760 Espoo, Finland	<u> </u>
P. H	
Full name of sixth inventor Albert HÖGLUND	
Inventor's signature Mblest Hoghund	29 DEC 2003
Residence Helsinki, Finland	Date
Citizenship Finland	
Post Office Address Riihitie 6 A 11, 00330 Helsinki, Finland	· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·
Full name of seventh inventor Benoist GUILLARD	
Inventor's signature	
Residence Paris, France	Date
Citizenship France	
Post Office Address 4, cité de Magenta, 75010 Paris, France	
T, the de triagenta, 15010 Falls, Flatte	

Docket No. <u>47092.00031</u>

SQUIRE, SANDERS & DEMPSEY L.L.P.

Declaration For U.S. Patent Application

	; \$			Decia	I ALIUH F	UI U.S. Pat	ені Ар	рисацо	II.	
		As a below	named in	nventor, I hereby	declare that:	•				
∕ ₫	391	My residen	ice, post o	ffice address and	citizenship are	as stated below my nam	ne.			
JAN	0 5 2004	believe I hames are l winsert Tit	ustea dela	ow) of the subject	maner which is	f only one name is liste s claimed and for which Adaptive Congestion C	a patent is sough	n original, first a ght on the invent	nd joint in ion entitle	ventor (if plural
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	:	I hereby of	ate that							· · · · · · · · · · · · · · · · · · ·
		amended by	any ame	endment referred	and understand to above.	the contents of the a	bove-identified	I specification, i	including	the claim(s), as
	:	I acknowled	ige the di	ity to disclose inf	ormation which	is material to patentabi	lity as defined i	in 37 C F R -1 4		
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		And I hereby	v annoint	the firm of Souis	na Condon A D	Annual Custom 37	- 2000 A			ing Kalabahan

And I hereby appoint the firm of Squire, Sanders & Dempsey, Customer Number 32294 including as principal attorneys: Douglas H. Goldhush, Reg. No. 33,125; Kevin F. Turner, Reg. No. 43,437; Dinnatia J. Doster, Reg. No. 45,268; Marc A. Sockol, Reg. No. 40,823; Vidya R. Bhakar, Reg. No. 42,323; Daryl C. Josephson, Reg. No. 37,365; Cameron Kerrigan, Reg. No. 44,826; David B. Abel, Reg. No. 32,394; Nathan Lane, Reg. No. 43,738; Lorinda Howland, Reg. No. 42,671; Michael Lechter, Reg. No. 27,350; David Rogers, Reg. No. 38,287; William Bachand, Reg. No. 34,980; Aaron Wininger, Reg. No. 45,229; Paul A. Durdik, Reg. No. 37,819; Paul J. Meyer 47,791; David A. Levine, Reg. No. 48,821; Victor Repkin, Reg. No. 45,039; and Victoria L. Nicholson, Reg. No. 47,823.

Please direct all communications to the following address:

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The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be take in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

Bec. 5, 2018 3

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